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- (71) Applicant (for all designated States except US): AEGERA THERAPEUTICS INC. [CA/CA]; 810 Chemin du Golf. Iles des Soeurs, Verdun, Quebec H3E 1A8 (CA).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): JAQUITH, James, B. [CA/CA]; 59 Boise du Parc, Pincourt, Quebec J7V 9B6

(CA). GILLARD, John, W. [CA/CA]; 710 Westchester, Baie d'Urfe, Quebec H9X 2S1 (CA). LAURENT, Alain [FR/CA]; 5266 Chemin de la cote saint Paul, Montreal, Quebec H4C 1X1 (CA).

- (74) Agents: CONN, David, L. et al.; Borden Ladner Gervais LLP, World Exchange Plaza, 100 Queen Street, Suite 1100, Ottawa, Ontario K1P 1J9 (CA).
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(54) Title: 3-(INDOL-1-YL)-4-(INDOL-3-YL)-PYRROLE-2,5-DIONES,3-(BENZIMIDAZOL-1-YL)-4-(INDOL-3-YL)-PYR-ROLE-2,5-DIONES, AND 3-(INDOLIN-1-YL)-4-(INDOL-3-YL)-PYRROLE-2,5-DIONES; THEIR PREPARATION AND USE AS MODULATORS OF APOPTOSIS

$$\begin{array}{c|c}
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A^{2} & & \\
A^{2} & & \\
B^{2} & & \\
R^{3} & & \\
R^{3} & & \\
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(57) Abstract: This invention features compounds of formula (I), (II) and (III), which are useful in the treatment of proliferative disorders characterized by loss of growth or cellular differentiation control including, but not limited to, cancer and inflammation. Formulas (I), (II), (III) have functional groups designated as A<sup>1</sup>, A<sup>2</sup>, B<sup>1</sup>, B<sup>2</sup>, X<sup>1</sup>-X<sup>9</sup> and R<sup>1</sup>-R<sup>8</sup> as defined further.

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ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Declarations under Rule 4.17:

as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.